

Impacts & Innovations in Plant Operations

2023
SPECIALTY
CONFERENCE
& WORKSHOP
SERIES



Addressing Contaminants of Emerging Concern in the Water Cycle

This important conference is a collaboration between the Contaminants of Emerging Concern (CEC) and the Plant Operations Committees of the New England Water Environment Association (NEWEA) as well as the New England Water Works Association (NEWWA). This jam-packed one day conference will cover the latest in CEC research, regulations, and technologies—not to mention practical ways and encouragement for dealing with CECs in plant operations. The CECs of focus will be per- and polyfluoroalkyl substances (PFAS).

From the opening keynote by Tiffany Skogstrom, Director of the Massachusetts Office of Technical Assistance and Technology, the technical presentations and expanded Vendor Showcase, to the closing comments, you will gain information, insights and encouragement—to help your facility address PFAS in your part of the water cycle.

VENDOR SHOWCASE DESCRIPTION

This conference includes an expanded Vendor Showcase that will provide an in-depth understanding of the various proven and emerging technologies for PFAS removal and destruction in the water environment. The Showcase will consist of two, one-hour sessions with a break between for lunch. Each Showcase session will include a 10 minute presentation from four vendors followed by a 10 minute Q&A period. During each 10 minute presentation vendors will showcase their expertise with adsorption (using both granular activated carbon (GAC) and novel materials), Surface Active Foam Fractionation (SAFF®) and destruction technologies (via gasification and electro-chemical oxidation processes).

Vendors have been asked to include practical operating experience and present operational data to demonstrate each technology's efficacy in lieu of sales or marketing materials. Vendors will also be available for less formal discussions and networking at table-top booths during scheduled conference breaks.

REGISTER ONLINE: www.newea.org/register
NEWEA/NEWWA Members \$150, Non Members \$250, Regulators \$60. PWO/YP/Retired/Academic \$125, Rates increase \$45 after September 4. Space is limited. Sponsorship opportunities available.

CANCELLATION POLICY: Request for cancellation/refund must be submitted IN WRITING prior to the event. A 25% cancellation fee will be applied for cancellation/refund requests received prior to 9/4/2023. No refunds will be issued for cancellations requested after 9/4/2023.

September 13, 2023

Public House, Sturbridge, Massachusetts

SCHEDULE

- 8 AM** Registration & Continental Breakfast
- 8:45 Welcome & Opening Remarks**
- Bob Fischer, NEWEA President
 - Amy Hunter, Chair, NEWEA CEC Committee
 - Nick Tooker, Chair, NEWEA Plant Ops Committee
- 9:15 Removing the handle from the PFAS Pump—
An upstream approach on industrial PFAS source reduction**
- Tiffany Skogstrom, Office of Technical Assistance
- 9:30 Drinking water overview: regulations, treatment, and response actions**
- Kyle Hay, Brown & Caldwell
- 10:00** Break
- 10:20 Vendor Showcase Part 1**
- **Veolia end-to-end PFAS treatment offering**
 - Alexandra Hakes, Veolia Water Technologies and Solutions
 - **Ultra-high temperature ionic gasification for biosolids treatment, PFAS destruction, & hydrogen production**
 - Jim Henderson, Heartland Water Technology
 - **The basic principles of water treatment media pilot trial design and evaluation**
 - Neal Megonnell, AqueoUS Vets
 - **Optimized drinking water treatment system design for PFAS removal with FLUORO-SORB® Adsorbent, a versatile surface-modified clay adsorbent**
 - Anna Willett, CETCO - Minerals Technologies, Inc.
- 11:30** Lunch (provided)
- 12:30 Vendor Showcase Part 2**
- **Thermal destruction of PFAS during full-scale reactivation of granular activated carbon from water treatment**
 - Dr. Angela Rodriguez, Calgon Carbon Corporation
 - **Electrochemical destruction of PFOA and PFOS in landfill leachate—a pilot test**
 - Elisabeth Christ, Aclarity
 - **Turnkey PFAS treatment: cyclodextrin sorbent (DEXSORB®) + mechanochemistry for sequestration, concentration, and destruction**
 - Frank Cassou, Cyclopure, Inc.
 - **Surface active foam fractionation & bioremediation**
 - Andrew Punsoni, Allonnia
- 1:30 Down the drain—an investigation of per- and polyfluoroalkyl substances in an island community's wastewater collection system**
- Carmela Antonellis, CDM Smith
- 2:00** Break
- 2:30 How PFAS can and will impact residuals management for public water systems**
- Eric Kelley, Environmental Partners
- 3:00 Options for PFAS destruction for WRRF biosolids**
- George Bevington, Barton and Loguidice
- 3:30 Lessons learned and next steps forward**
- Julia Wahl, Woodard & Curran
- 4:00** Adjourn